

[54] **PUP JOINT WITH INTEGRAL WING NUT  
RETENTION SHOULDER**

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[21] Appl. No.: **962,182**

[22] Filed: **Oct. 31, 1997**

**Related U.S. Application Data**

[63] Continuation of Ser. No. 651,646, May 22, 1996, abandoned.

[51] Int. Cl.<sup>6</sup> ..... **F16L 19/025**

[52] U.S. Cl. .... **285/23; 285/354; 285/387;  
285/388**

[58] Field of Search ..... **285/23, 354, 386,  
285/387, 388, 321**

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[57]

**ABSTRACT**

A pup joint is provided which comprises a length of pipe, a female sub integral with one end of the pipe and having external threads formed thereon, a male sub integral with the other end of the pipe, a wing nut for threadedly connecting the male sub to the female sub, a set of retainer segments for retaining the wing nut on the pup joint, and a retention shoulder formed on the male sub to maintain the wing nut and retainer segments on the male sub. In a preferred embodiment of the invention, the pipe and the male and female subs are comprised of a single forging, and the retention shoulder is formed by machining the male sub.

**3 Claims, 2 Drawing Sheets**

